

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model
Run on: June 24, 2005, 08:28:03 ; Search time 156 Seconds
(without alignments)
1132.807 Million cell updates/sec

Title: US-09-541-462B-2
Perfect score: 616
Sequence: 1 MAAMVDVPTSGTNSGAGKK.....KTRQVCLDNRWEPQKYGH 108

Scoring table: BLOSUM62
Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
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-Q=/cgn2_1/USPTO.spool/US09541462/runat 23062005 122624 9498/app query.fasta_1.263
-DB=Issued Patents.NA -OPMT=fastap -SUPFLX=arni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFM=ptco -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09541462 @CGN 1.1.69 @runat 23062005 122624 9498 -NCPU=6 -ICPU=3
-NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents.NA:
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	616	100.0	482	US-09-513-999C-3894	Sequence 3894, Ap
2	616	100.0	507	US-09-949-016-4940	Sequence 4940, Ap
3	501.5	81.4	3208	US-09-780-016-27	Sequence 27, Appl
4	501.5	81.4	3208	US-10-214-811-27	Sequence 27, Appl
5	479	77.8	411	US-09-640-211A-1731	Sequence 1731, Ap
6	400.5	65.0	490	US-09-270-767-26812	Sequence 26812, A
7	400.5	65.0	1101	US-09-270-767-11265	Sequence 11265, A
8	394	64.0	402	US-09-513-999C-10371	Sequence 10371, A
9	394	64.0	463	US-09-621-976-15180	Sequence 15180, A
10	375.5	61.0	357	US-09-248-796A-5495	Sequence 5495, Ap
11	287	46.6	342	US-09-826-312A-7	Sequence 7, Appl
12	287	46.6	342	US-09-542-497A-7	Sequence 7, Appl

13	262.5	42.6	301	4	US-09-313-294A-492	Sequence 492, App
14	217	35.2	648	4	US-09-599-360B-27	Sequence 27, Appl
15	200.5	32.5	534	4	US-09-621-976-1817	Sequence 1817, Ap
16	198	32.1	671	4	US-09-621-976-1854	Sequence 1854, Ap
17	197.5	32.1	539	4	US-09-621-976-2051	Sequence 2051, Ap
18	191	31.0	654	4	US-09-621-976-1945	Sequence 1945, Ap
19	175	28.4	25274	4	US-09-949-016-16882	Sequence 16882, A
20	173	28.1	585	4	US-09-270-767-10788	Sequence 10788, A
21	150.5	24.4	439	4	US-09-779-451-296	Sequence 296, App
22	146	23.7	170	4	US-09-270-767-26253	Sequence 26253, A
23	91	14.8	940	4	US-09-023-655-667	Sequence 667, App
24	91	14.8	1839	4	US-09-828-303-10	Sequence 10, Appl
25	90	14.6	872	4	US-09-774-528-304	Sequence 304, App
26	90	14.6	893	4	US-09-949-016-4980	Sequence 4980, App
27	90	14.6	1690	4	US-09-828-303-2	Sequence 2, Appli
28	90	14.6	3140	4	US-09-774-528-255	Sequence 255, App
29	90	14.6	8438	1	US-07-945-283-1	Sequence 1, Appli
30	88	14.3	1183	4	US-09-799-451-763	Sequence 763, App
31	86	14.0	363	4	US-09-640-211A-1319	Sequence 1319, Ap
32	86	14.0	1267	4	US-09-949-016-378	Sequence 378, App
33	86	14.0	1267	4	US-09-949-016-2314	Sequence 2314, App
34	85.5	13.9	3304	4	US-09-799-451-220	Sequence 220, Appl
35	85	13.8	1621	4	US-09-023-655-20	Sequence 20, Appl
36	85	13.8	1995	4	US-09-949-016-3134	Sequence 3134, Ap
37	85	13.8	2339	3	US-09-268-140-11	Sequence 11, Appl
38	85	13.8	2505	3	US-09-268-140-1	Sequence 1, Appli
39	85	13.8	2517	3	US-09-268-140-7	Sequence 7, Appli
40	85	13.8	16573	4	US-09-949-016-14876	Sequence 14876, A
41	84	13.6	3260	4	US-09-270-767-10326	Sequence 10326, A
42	83.5	13.6	624	4	US-09-270-767-963	Sequence 963, App
43	83.5	13.6	624	4	US-09-270-767-16245	Sequence 16245, A
44	83	13.5	315	3	US-09-325-932A-4	Sequence 4, Appli
45	81.5	13.2	4259	2	US-08-816-155B-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-513-999C-3894
Sequence 3894, Application US/09513999C
Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclert, A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513.999C
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 3894
LENGTH: 482
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 29..352
FEATURE:
NAME/KEY: misc feature
LOCATION: 401
OTHER INFORMATION: r-a or g
FEATURE:
NAME/KEY: misc feature
LOCATION: 404
OTHER INFORMATION: m-a or c
US-09-513-999C-3894

Alignment Scores: 1.7e-69 Length: 482
Pred. No.: 1.7e-69

Result No.	Score	Query Match	Length	DB	ID	Description
1	327	100.0	482	4	US-09-513-999C-3894	Sequence 3894, Ap
2	327	100.0	507	4	US-09-943-016-4340	Sequence 4340, Ap
3	253.6	77.6	3208	4	US-09-780-016-27	Sequence 27, Appl
4	253.6	77.6	3208	4	US-10-214-811-27	Sequence 27, Appl
5	170	52.0	402	4	US-09-513-999C-10371	Sequence 10371, A
6	170	52.0	463	4	US-09-621-976-15180	Sequence 15180, A
7	153.2	46.9	411	4	US-09-640-211A-1731	Sequence 1731, Ap
8	138.2	42.3	490	4	US-09-270-767-46812	Sequence 26812, A
9	138.2	42.3	1101	4	US-09-270-767-11265	Sequence 11265, A
10	114.4	35.0	357	4	US-09-248-796A-5495	Sequence 5495, Ap
11	92.6	28.3	25374	4	US-09-943-016-16682	Sequence 16682, A
12	90	27.5	301	4	US-09-313-234A-492	Sequence 432, App
13	74	22.6	342	4	US-09-823-312A-7	Sequence 7, Appl
14	74	22.6	342	4	US-09-543-497A-7	Sequence 7, Appl
15	46.4	14.2	439	4	US-09-799-451-396	Sequence 236, App
16	36	11.0	601	4	US-09-943-016-174803	Sequence 174803, A
17	33.6	10.3	87734	4	US-09-943-016-17521	Sequence 17521, A
18	33.4	10.2	170	4	US-09-270-767-46253	Sequence 26253, A
19	33.4	10.2	585	4	US-09-270-767-10788	Sequence 10788, A
20	33	10.1	601	4	US-09-943-016-120325	Sequence 120325, A
21	33	10.1	219964	4	US-09-943-016-15086	Sequence 15086, A
22	32.6	10.0	96945	4	US-09-943-016-13658	Sequence 13658, A
23	31	9.5	2408	1	US-08-608-241-1	Sequence 1, Appl
24	31	9.5	2408	2	US-08-922-182-1	Sequence 1, Appl
25	31	9.5	2408	2	US-08-919-983-1	Sequence 1, Appl
26	31	9.5	2408	3	US-09-192-983-1	Sequence 1, Appl
27	30.4	9.3	119762	4	US-09-943-016-17313	Sequence 17313, A

;; CURRENT FILING DATE: 2000-04-03
;; NUMBER OF SEQ ID NOS: 13
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 6
;; LENGTH: 108
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-542-497A-6

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Best Local Similarity 100.0%; Pred. No. 4.7e-60;
Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MAAAMDVTPSGTNSGAGKGFVKKNNAVALWADIIVVNDCAICRNHIMDLICIEQANQ 60
QY 61 ASATSECTVANGVGNHAFHFCISRWLKTRQVCPDLNREWEFOKYGH 108
DB 61 ASATSECTVANGVGNHAFHFCISRWLKTRQVCPDLNREWEFOKYGH 108

RESULT 3
US-09-513-999C-7971
;; Sequence 7971, Application US/09513999C
;; Patent No. 6783961
;; GENERAL INFORMATION:
;; APPLICANT: Dumas Milne Edwards, J.B.
;; APPLICANT: Duclert, A.
;; APPLICANT: Giordano, J.Y.
;; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
;; FILE REFERENCE: 59.US2.REG
;; CURRENT APPLICATION NUMBER: US/09/513,999C
;; CURRENT FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/122,487
;; PRIOR FILING DATE: 1999-02-26
;; NUMBER OF SEQ ID NOS: 36681
;; SOFTWARE: Patent.pm
;; SEQ ID NO 7971
;; LENGTH: 108
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-513-999C-7971

Query Match 100.0%; Score 616; DB 4; Length 108;
Best Local Similarity 100.0%; Pred. No. 4.7e-60;
Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MAAAMDVTPSGTNSGAGKGFVKKNNAVALWADIIVVNDCAICRNHIMDLICIEQANQ 60
DB 1 MAAAMDVTPSGTNSGAGKGFVKKNNAVALWADIIVVNDCAICRNHIMDLICIEQANQ 60
QY 61 ASATSECTVANGVGNHAFHFCISRWLKTRQVCPDLNREWEFOKYGH 108
DB 61 ASATSECTVANGVGNHAFHFCISRWLKTRQVCPDLNREWEFOKYGH 108

RESULT 4
US-09-949-016-10811
;; Sequence 10811, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CLO01307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03

;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 10811
;; LENGTH: 110
;; TYPE: PRT
;; ORGANISM: Human
US-09-949-016-10811

Query Match 100.0%; Score 616; DB 4; Length 110;
Best Local Similarity 100.0%; Pred. No. 4.8e-60;
Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 3 MAAAMDVTPSGTNSGAGKGFVKKNNAVALWADIIVVNDCAICRNHIMDLICIEQANQ 62
QY 61 ASATSECTVANGVGNHAFHFCISRWLKTRQVCPDLNREWEFOKYGH 108
DB 63 ASATSECTVANGVGNHAFHFCISRWLKTRQVCPDLNREWEFOKYGH 110

RESULT 5
US-09-248-796A-19598
;; Sequence 19598, Application US/09248796A
;; Patent No. 6747137
;; GENERAL INFORMATION:
;; APPLICANT: Keith Weinstock et al
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
;; FILE REFERENCE: 107196.132
;; CURRENT APPLICATION NUMBER: US/09/248,796A
;; CURRENT FILING DATE: 1999-02-12
;; PRIOR APPLICATION NUMBER: US 60/074,725
;; PRIOR FILING DATE: 1998-02-13
;; PRIOR APPLICATION NUMBER: US 60/096,409
;; PRIOR FILING DATE: 1998-08-13
;; NUMBER OF SEQ ID NOS: 28208
;; SEQ ID NO 19598
;; LENGTH: 118
;; TYPE: PRT
;; ORGANISM: Candida albicans
US-09-248-796A-19598

Query Match 61.0%; Score 375.5; DB 4; Length 118;
Best Local Similarity 61.4%; Pred. No. 1.1e-33;
Matches 62; Conservative 12; Mismatches 26; Indels 1; Gaps 1;
QY 9 TPGTNSGAGKGFVKKNNAVALWADIIVVNDCAICRNHIMDLICIEQAN-QASATSEE 67
DB 18 TTEPTSKFSPKPRFEVKKWTAVAFWSWDQIENCAICRNHLMPEICIECOPNAGNIPSEE 77
QY 68 CTVANGVGNHAFHFCISRWLKTRQVCPDLNREWEFOKYGH 108
DB 78 CTPANGVGNHAFHFCISRWLKTRNACPLDSTNWTYQKLG 118

RESULT 6
US-09-826-312A-8
;; Sequence 8, Application US/09826312A
;; Patent No. 6737244
;; GENERAL INFORMATION:
;; APPLICANT: Issakani, Sarkiz D.
;; APPLICANT: Huang, Jianing
;; APPLICANT: Sheung, Julie
;; APPLICANT: Pray, Todd R.
;; TITLE OF INVENTION: Ubiquitin Ligase Assay
;; FILE REFERENCE: 021044-007010US
;; CURRENT APPLICATION NUMBER: US/09/826,312A
;; CURRENT FILING DATE: 2001-04-03
;; PRIOR APPLICATION NUMBER: US 09/542,497

Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAAAMDVTPSGTSGAGKGFVKKNNAVALWMDIVVDNCAICRNHIMDLCECQANQ 60
 Db 1 MAAAMDVTPSGTSGAGKGFVKKNNAVALWMDIVVDNCAICRNHIMDLCECQANQ 60
 Qy 61 ASATSECTVANGVNCNHAFFHCISRWLKTRQVCPDLNREWEFQKYGH 108
 Db 61 ASATSECTVANGVNCNHAFFHCISRWLKTRQVCPDLNREWEFQKYGH 108

RESULT 6
 US-09-914-324A-1
 ; Sequence 1, Application US/09914324A
 ; GENERAL INFORMATION:
 ; APPLICANT: Conaway, Joan A.
 ; APPLICANT: Conaway, Ronald C.
 ; APPLICANT: Kamura, Takumi
 ; APPLICANT: Oklahoma Medical Research Foundation
 ; TITLE OF INVENTION: Novel Component of von Hippel-Lindau Tumor Suppressor
 ; TITLE OF INVENTION: Complex and SCF Ubiquitin Ligase
 ; FILE REFERENCE: 021044-004600US
 ; CURRENT APPLICATION NUMBER: US/09/914,324A
 ; CURRENT FILING DATE: 2003-02-11
 ; PRIOR APPLICATION NUMBER: US 60/121,787
 ; PRIOR FILING DATE: 1999-02-26
 ; PRIOR APPLICATION NUMBER: WO PCT/US00/04838
 ; PRIOR FILING DATE: 2000-02-25
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 108
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURES:
 ; OTHER INFORMATION: human ring box protein 1 (Rbx1)
 US-09-914-324A-1

Query Match 100.0%; Score 616; DB 24; Length 108;
 Best Local Similarity 100.0%; Pred. No. 1.1e-57;
 Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAAAMDVTPSGTSGAGKGFVKKNNAVALWMDIVVDNCAICRNHIMDLCECQANQ 60
 Db 1 MAAAMDVTPSGTSGAGKGFVKKNNAVALWMDIVVDNCAICRNHIMDLCECQANQ 60
 Qy 61 ASATSECTVANGVNCNHAFFHCISRWLKTRQVCPDLNREWEFQKYGH 108
 Db 61 ASATSECTVANGVNCNHAFFHCISRWLKTRQVCPDLNREWEFQKYGH 108

RESULT 7
 US-10-108-767-6
 ; Sequence 6, Application US/10108767
 ; GENERAL INFORMATION:
 ; APPLICANT: Isakani, Sarkiz D.
 ; APPLICANT: Huang, Jianing
 ; APPLICANT: Sheung, Julie
 ; APPLICANT: Pray, Todd R.
 ; TITLE OF INVENTION: ASSAYS FOR IDENTIFYING UBIQUITIN AGENTS AND FOR IDENTIFYING AGENT
 ; TITLE OF INVENTION: MODIFY THE ACTIVITY OF UBIQUITIN AGENTS
 ; FILE REFERENCE: A-68613-5/RMS/DCF
 ; CURRENT APPLICATION NUMBER: US/10/108,767
 ; CURRENT FILING DATE: 2002-09-26
 ; PRIOR APPLICATION NUMBER: US 09/542,497
 ; PRIOR FILING DATE: 2000-04-03
 ; PRIOR APPLICATION NUMBER: US 09/826,312
 ; PRIOR FILING DATE: 2001-04-03
 ; PRIOR APPLICATION NUMBER: US 10/091,139
 ; PRIOR FILING DATE: 2002-03-04
 ; NUMBER OF SEQ ID NOS: 27
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 6